

**Listing of Claims**

1        1.- 43. (cancelled)

2        44. (previously presented) A method for making a glued-  
3        together screen assembly for use in a vibratory separator, the  
4        method employing a heating apparatus, the heating apparatus  
5        comprising a control system, a plurality of heating elements  
6        spaced-apart on the heating apparatus, and a plurality of heat  
7        sensors, the plurality of heat sensors spaced-apart and movable to  
8        a position adjacent the at least one layer of screening material,  
9        the plurality of heat sensors in communication with the control  
system, the method comprising

10        producing at least one layer of screening material  
11        with glue on the surface thereof,

12        placing the at least one layer of screening material  
13        on the heating apparatus,

14        heating the at least one layer of screening material  
15        with the heating apparatus,

16        placing a secondary member on the at least one layer  
17        of screening material,

18        sensing with the plurality of heat sensors  
19        temperatures of different portions of the at least one layer  
20        of screening material during heating thereof,

21        controlling the plurality of spaced-apart heating  
22        elements with the control system in response to temperatures  
23        sensed by the plurality of heat sensors to control heat  
24        applied to the different portions of the at least one layer of  
25        screening material during heating thereof, and

26        heating together the at least one layer of screening  
27        material and the secondary member to combine the at least one  
28        layer of screening material and the at least one secondary  
29        member forming a first screen assembly.

1        45. (previously presented) The method of claim 44 further  
2        comprising

3        controlling the plurality of spaced-apart heating  
4        elements to uniformly heat the at least one layer of screening  
5        material.

1       46. (previously presented) The method of claim 44 further  
2 comprising

3             the at least one layer of screening material  
4 comprising a plurality of layers of screening material.

1       47. (previously presented) The method of claim 44 wherein the  
2 at least one layer of screening material is a layer of coarse mesh.

1       48. (previously presented) The method of claim 44 wherein  
2 glue on the at least one layer of screening material is cured glue  
3 prior to placing the at least one layer of screening material on  
4 the heating apparatus.

1       49. (previously presented) The method of claim 44 wherein the  
2 glue is moisture-curing hot melt glue.

1       50. (previously presented) The method of claim 44 wherein the  
2 secondary member is a frame for a screen assembly.

1       51. (previously presented) The method of claim 50 wherein the  
2 frame comprises an array of tubular members.

1       52. (previously presented) The method of claim 50 wherein the  
2 frame is coated with adhesive material.

1       53. (previously presented) The method of claim 52 wherein the  
2 secondary member is heated sufficiently so that at least some of  
3 the adhesive material flows onto the at least one layer of  
4 screening material to adhere together the secondary member and the  
5 at least one layer of screening material.

1       54. (previously presented) The method of claim 52 wherein the  
2 adhesive material is powdered epoxy material.

1       55. (previously presented) The method of claim 44 further  
2 comprising

3             removing the first screen assembly from the heating  
4 apparatus,

5             emplacing the first screen assembly on first cooling  
6 apparatus adjacent the heating apparatus, and

7             cooling the first screen assembly with the first  
8 cooling apparatus.

1       56., 57. (cancelled)